



RARITAN PLAZA I
4TH FLOOR, RARITAN CENTER
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28 September 1993

Ms. Christina Purcell, P.E., Case Manager
Bureau of Federal Case Management
New Jersey Department of Environmental Protection
and Energy
401 East State Street, 5th Floor
CN 028
Trenton, New Jersey 08625-0028

Work Order No.: 06720-013-001

**RE: L.E. CARPENTER PROJECT
WHARTON, NEW JERSEY
1986 ADMINISTRATIVE CONSENT ORDER
SECOND QUARTER 1993 PROGRESS REPORT**

Dear Ms Purcell:

On behalf of L.E. Carpenter and Company, Roy F. Weston, Inc. (WESTON) has enclosed the second quarterly report for 1993 covering the months May through July in accordance with Paragraph 35 of the 1986 L.E. Carpenter/New Jersey Department of Environmental Protection and Energy (NJDEPE) Administrative Consent Order.

A revised equipotential map of the shallow aquifer zone for the first quarter 1993 is also enclosed. This revised map, presented as Figure 5 in Appendix B, incorporates water level measurement data acquired on 26 April 1993 and replaces the map for shallow groundwater flow in our 16 June 1993 submittal. This map was revised based upon review of stratigraphic logs, monitoring well construction logs, and geophysical (gamma) logs generated during the various phases of investigation performed at the site.

Review of these logs account for the presence of a shallow clay unit and its relationship to each monitoring point's screened interval. As a result, data from monitoring points MW-11S, MW-14S, MW-16S, MW-19, MW-23, MW-24, RP-1, RP-2, RP-3, DC-P0, DC-P1, DC-P2, DC-P3, DC-P4, and DC-P5 were used to define the shallow aquifer zones's groundwater flow. The groundwater flow direction presented in this revised map supports the theory that shallow groundwater flow is generally away from the Rockaway River toward the drainage channel.





Ms. Christina Purcell
L.E. Carpenter

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Monitoring points, with their respective calculated water level elevations, used in construction of this map are presented on the figure.

If you require any further information, please feel free to contact me at (908) 417-5800.

Very truly yours,

ROY F. WESTON, INC.

Martin J. O'Neill, CIH
Project Director

cc: C. Anderson, L.E. Carpenter
R. Hahn, L.E. Carpenter
J. Josephs, USEPA